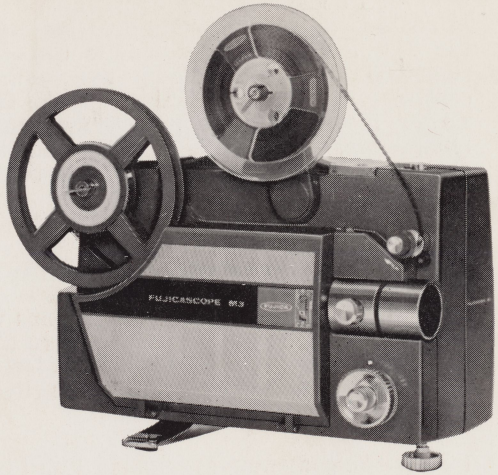
FUJICASCOPE M3 Dual Purpose 8mm Movie Projector



FOR BOTH THE NEW
INSTANT LOAD
SUPER SIZE
(Single-8
AND SUPER8)
AND REGULAR
8MM MOVIES

OWNER'S MANUAL

For Regular (Double-8) 8mm Movies

FUJICASCOPE M3 Dual Purpose 8mm Movie Projector

Your new Fujicascope M3 Projector is the ultimate in versatility, construction and design. It can be used to project any and all 8mm movie film available today. All the regular format movies you have shot over the years can be projected with the M3 for bright, beautiful images on the screen. The footage you have shot with your new Single-8 camera or other super size film format camera can also be projected with the M3. And what's more, the two films can even be spliced together or intermixed and shown with the Fujicascope Dual Projector.

In addition to this important dual feature of the M3, it also offers automatic threading right up onto the take-up reel; simple controls; continuous running speeds from slower motion to standard action, quick rewind mechanism which makes the film changing time much shorter than before; solid, cast aluminum construction; nylon gears and chain drive for years of maintenance-free operation.

Spend a few moments reading this manual before operating your new Fujicascope M3 Projector. The step-by-step instructions will assure your getting the most pleasure from this newest member of the now world-famous Fujica Single-8 family of precision movie making and projecting equipment.

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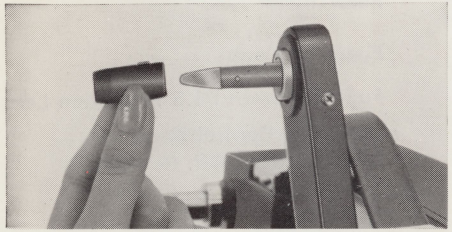
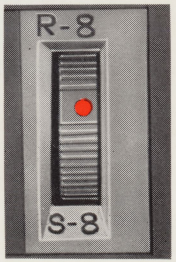
For the New Super Size Instant Load 8mm Movies

For Projecting Regular 8mm Movies

Your library of the older format, regular 8mm movies can be shown with the FUJICASCOPE M3 Projector. First, remove the "collar" on the feed reel spindle. Put it in a convenient place so that it is handy when you need it for projecting super size movies. Load reel onto the feed reel spindle.

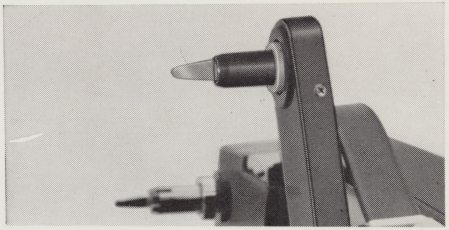


Before turning on the projector motor, be sure that the red dot on the Film Selector Switch (see illustration) is at "R-8" (Regular-8).

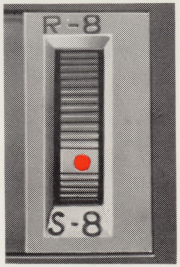


For Projecting New Super Size Instant Load Movies Single-8 or Super 8

When projecting the new, big picture movies shot with the new instant load, 8mm cameras, the "collar" is firs slipped onto the feed reel spindle. Then load your reel onto the feed reel spindle right over the "collar".



Before turning the projector motor on, be sure the red dot on the Film Selector Switch is at "S-8" (Single-8 or Super-8).

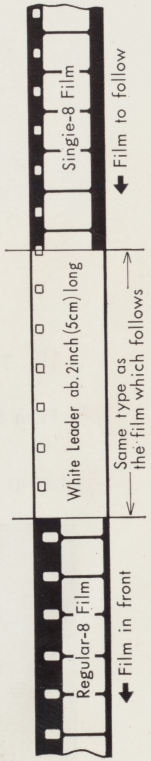


For Projecting Both the Regular and the New Super Size Movies On the Same Reel

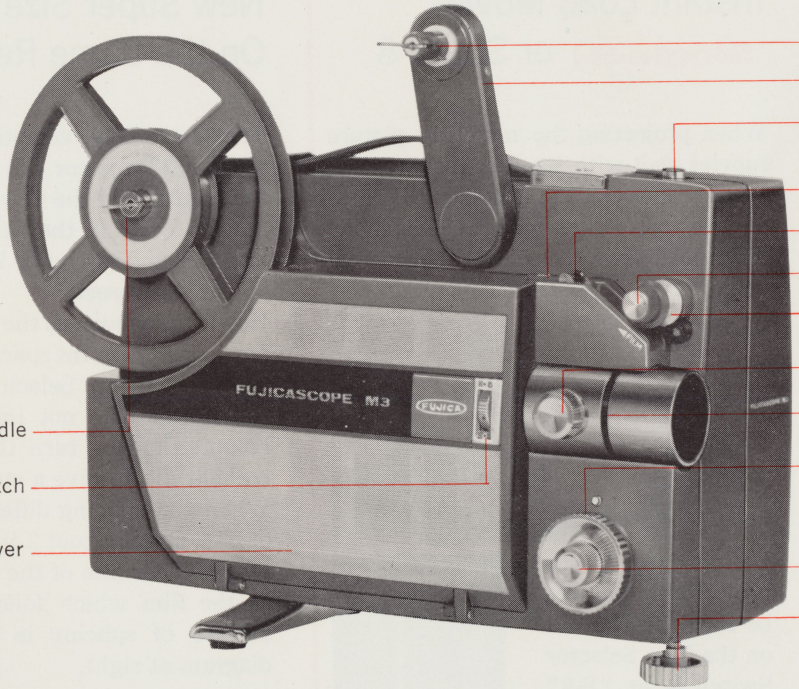
The extremely versatile Fujicascope M3 Projector can show both the regular and the new super size movies even if they are spliced together end to end or intermixed on the same reel.

However, as soon as the film slows down or stops at the spliced portion, work the Film Selector Switch. But if this does not immediately resume the run, turn the take-up reel slihtly to give a start.

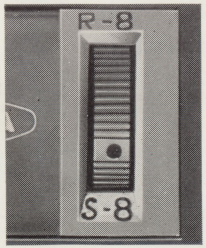
When the splicing different types of film, attach about 2 in. (5 cm) of white leader film of the same type as the film which follows. The method of splicing is shown in diagram at right.



The precision parts of your FUJICASCOPE M3

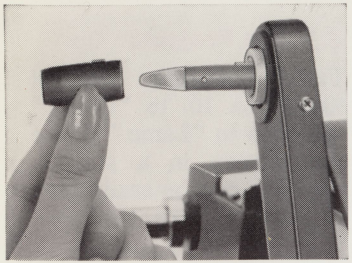


1. Feed Spindle with Removable Collar
2. Feed Reel Arm
3. Single Frame Projection Button
4. Self-Threader
5. Film Tension Spring
6. Framing Knob
7. Feed Roller
8. Focusing Knob
9. Fujinon 19mm f/1.3 Projection Lens
10. Operating Control Knob (Lamp, Motor, Off, Rewind)
11. Projection Speed Control
12. Elevation Knob
13. Take-Up Spindle
14. Film Selector Switch
15. Lamp Housing Cover

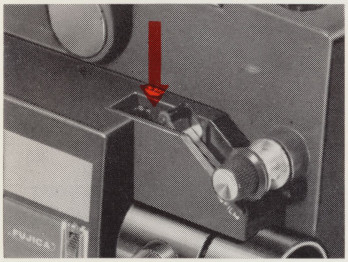


14.

Dual Purpose Movie Projector



1.



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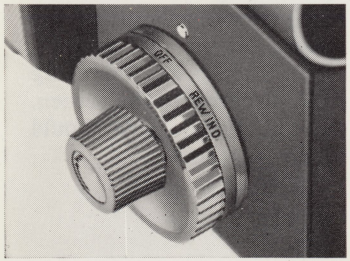

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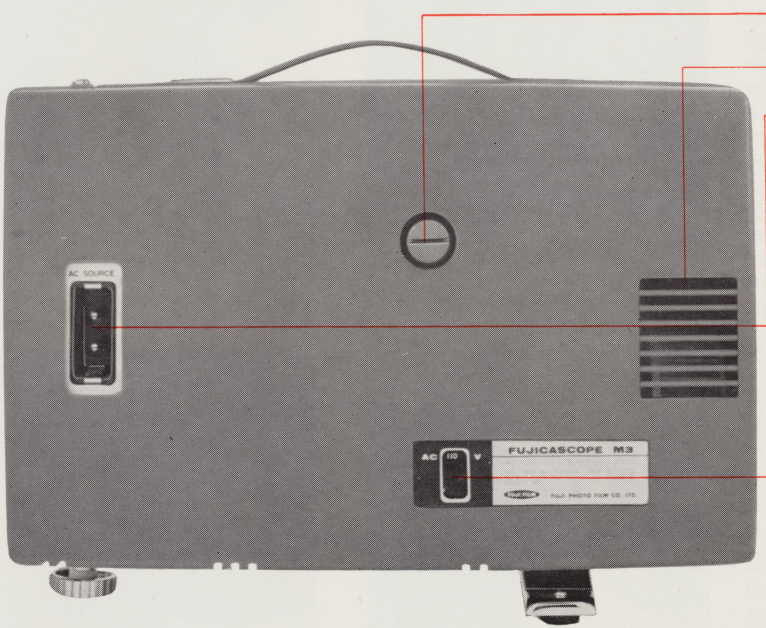


16. Rear Cover Release Stud

17. Turbine Fan Cooling Vent

18. AC Power Socket

19. AC Voltage Selector Window (Selector in inside cover)

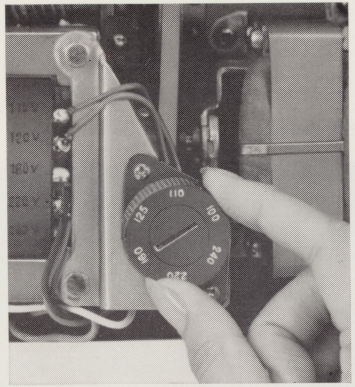
(No Voltage Selector in this machine as it is specially set to AC 115 V for use in U.S.A. and Canada.)

NOTE: This projector can be loaded with 400 feet of the new thinner, stronger Fujichrome Single-8 color film or 300 feet of other movie films.

Before it's time for the show...

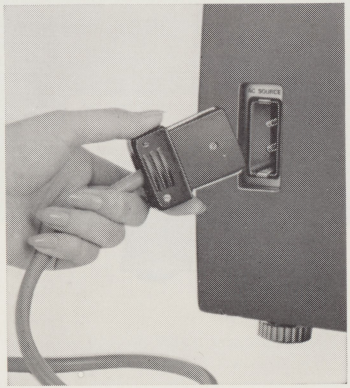
1. Check for Proper Voltage

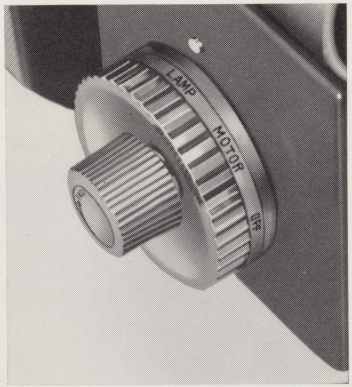
(For U.S.A. and Canada the projector has been set at 115VAC and has no voltage selector.) If the voltage supply in your area is other than that shown in the Voltage Selector Window (No. 19), loosen the Rear Cover Release Stud (No. 16) and turn the Voltage Selector Knob inside the cover until the correct voltage is uppermost. Now simply replace the cover, and tighten the stud.



2. Plug in the AC Power Cord

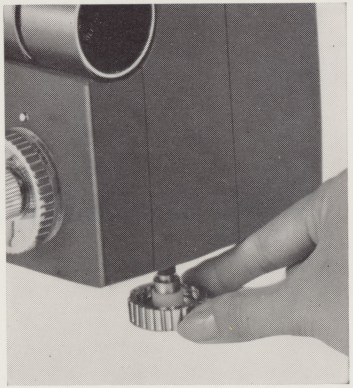
One end of the power cord goes snugly into the AC Power Socket (No. 18), and the other into an electrical outlet on the wall. Make certain that the power cord is plugged in firmly at both ends.





3. Turn Projector On

Turn Operating Control Knob (No. 10) to "Motor" and then to "Lamp". Place your screen in a position where it can be easily seen by your audience.



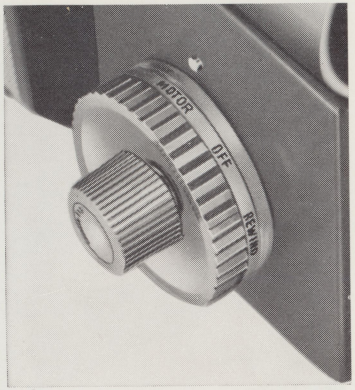
4. Center the Light Beam

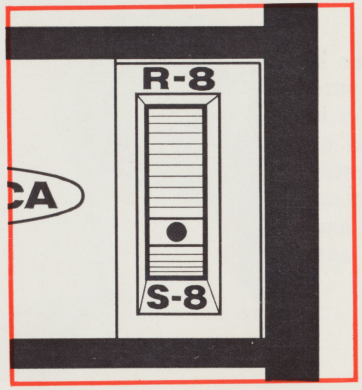
Before loading film into your projector, center the light beam on the screen. The beam is centered vertically by turning the Elevation Knob (No. 12). To make the image larger or smaller, move the projector away from or closer to the screen. A professional show should fill the screen.

get your projector all set.

5. Turn the Projector Off

To turn off the Fujicascope M3 projector, turn the Operating Control Knob (No. 10) from "motor" to "off". The projector will stop operating, the lamp will be turned off automatically, and all the controls will be in a neutral position.



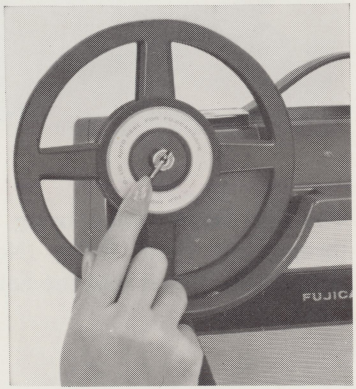


7. Set Film Selector Switch

For regular 8mm film, set red dot on Film Selector Switch (No. 14) at "R-8" position. For the newer super size film, set red dot at "S-8". If both films are spliced together, set switch for first film on the reel. When other film reaches film gate, set switch for film which is to be projected next.

6. Put the Empty Take-up Reel on its Spindle

Place the special automatic take-up reel that came with the projector on the Take-up Spindle (No. 13). Note pins on top of this reel's hub. When placing the reel on the Take-up Spindle, the pins should be on the outside, away from the projector, so that they catch the sprocket holes in the film. Lock the reel into position.

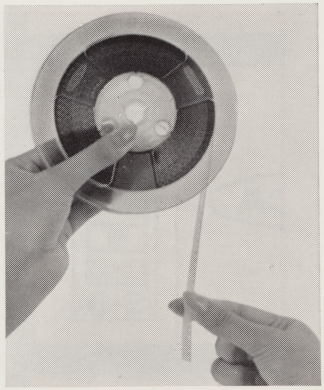


8. Raise Feed Reel Arm

Feed Reel Arm is in a folded position to keep the Fujicascope M3 compact and portable. Swing the Feed Arm (No. 2) fully up as far as it will go.

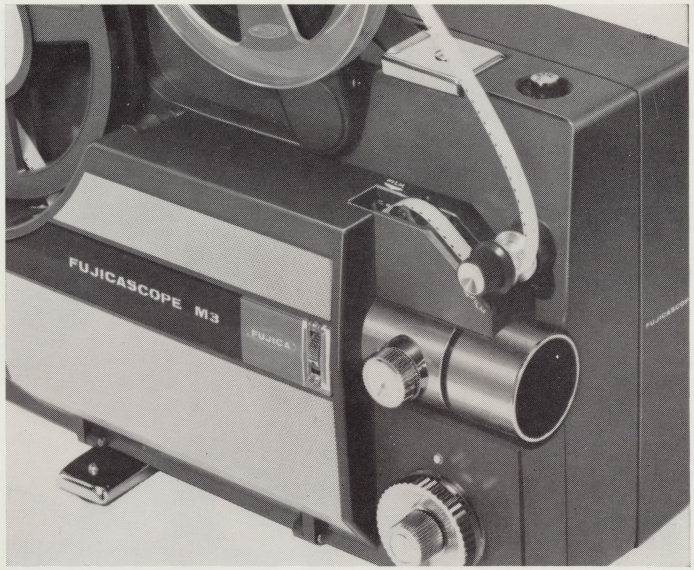
9. Unwind about 15 Inches of Film Leader

About 15 inches of film leader is needed to thread the film. Be sure that the beginning of the leader is cut square and is not ragged or bent. Cut with the film cutter provided or with scissors or razor blade to square off the leader, and eliminate the possibility of any threading problems.



10. Place Loaded Reel on Feed Spindle

The sprocket holes on the film, whether Regular 8, Single-8 or Super 8, should be on the side away from the projector. The film should always feed from the front of the reel. Be sure that the key on the Feed Spindle (No. 1) engages a slit in the reel hub. Close the lock-lever on the spindle to secure the reel in proper position.



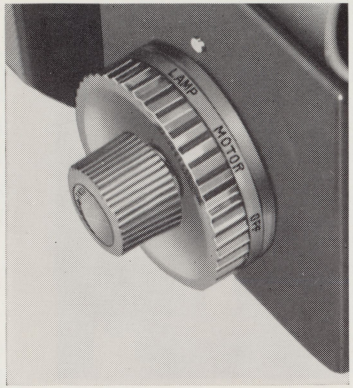
11. Feed Film Leader Through Film Channel

The film leader, after being properly squared off, is fed through the Feed Roller (No. 7), over the Film Tension Spring (No. 5) and into the Self-Threader (No. 4), as deep as 3.2 in. (8 cm).

projector before your audience arrives.

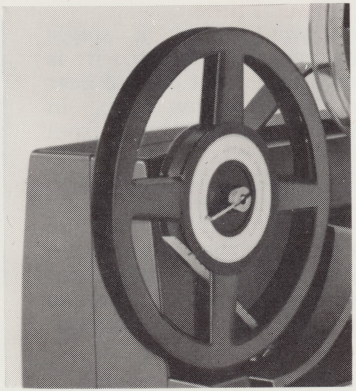
12. Turn Motor and Lamp On

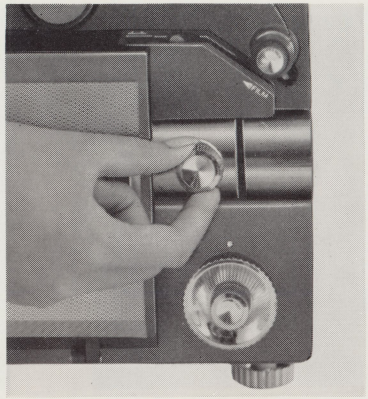
With film in position at the Self-Threader (No. 4) turn the Operating Control Knob (No. 10) to "motor" and then to "lamp". Film will be automatically taken up by the Self-Threader. If the film does not start to thread itself, simply feed more film into the Self-Threader.



13. Threading is Automatic

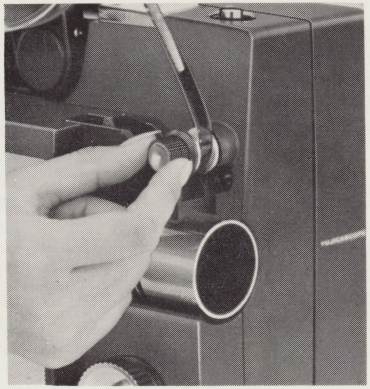
At this point, the projector takes over and guides the film into proper position in the film gate. The film is also carried onto the take-up reel. The pins on the hub of the take-up reel engage the perforations, and the film is secured and ready for projection.





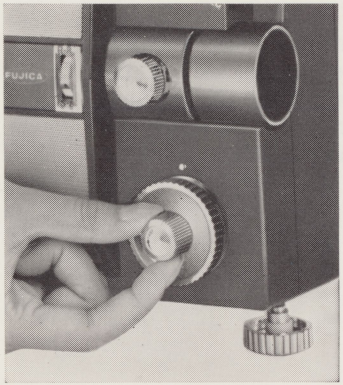
14. Focus the Lens

As the first images appear on the screen, adjust the Focusing Knob (No. 8) until the picture is as sharp and clear as possible.



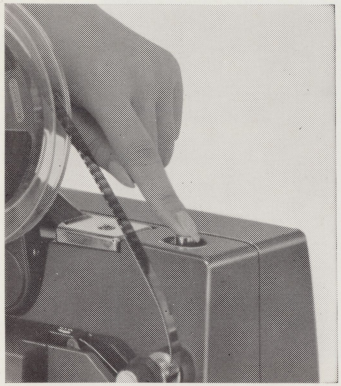
15. Adjust Framing Knob

When the image is on the screen, part of the frame line or the top or bottom of another frame may sometimes appear. This simple problem can be eliminated by slowly turning the Framing Knob (No. 6).



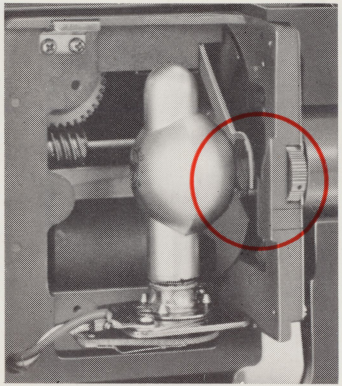
16. Dial the desired Projection Speed

The Fujicascope M3 has projection speeds from slower motion to standard action. Adjust the Projection Speed Control (No. 11) to the point where the speed of the action pleases you most. You can readjust the projection speed at any point while the projector is operating. If you want to slow up the action in a portion of the movie (or all of it), simply turn the Projection Speed Control counter-clockwise.



17. Single Frame Projection

It you want to stop the movie at any point to see any one particular frame on the screen, simply press the Single Frame Projection Button (No. 3). The film will stop immediately, and you can look at that frame for as long as you care to. In order to keep the frame on the screen, your finger must remain on the button. As soon as you remove your finger, the film continues at its regular speed.



18. Heat Shield Protects Your Film

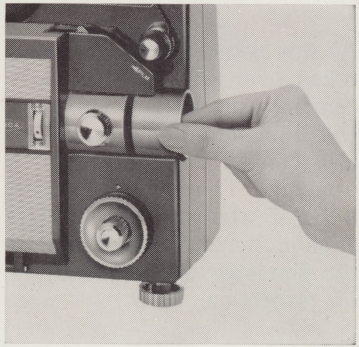
When you project a single frame on the screen, it is exposed to a great deal of heat from the projection lamp. In order to protect the frame from being scorched, a heat shield in the projector descends automatically between the frame and the lamp. When you take your finger off the Single Frame Projection Button, the heat shield automatically returns to its normal, out-of-the-way position.

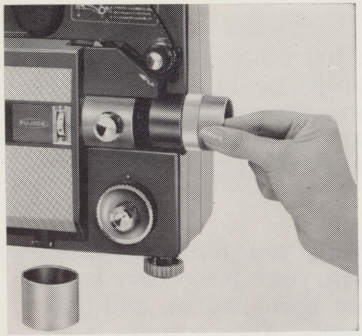
19. To Enjoy Zooming Projection

Zooming gives the pleasure ot making the projected picture grow bigger or smaller at will. For this purpose, attach the zoom converter (sold separately) to the projection lens.

■ How to Attach Zoom Converter:

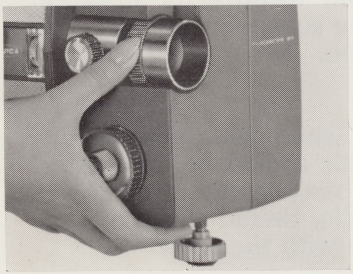
(1) Take off the lens hood at front of projection lens by turning it to the left.

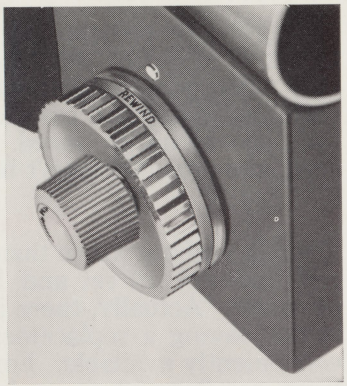




(2) Screw the zoom converter correctly on projection lens.

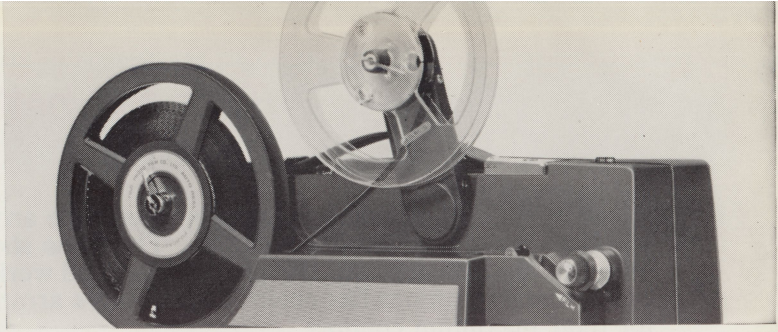
(3) To adjust the size of the picture, turn the milled ring at front of zoom lens to the left or right.





20. To Rewind Film While it's Threaded

With Fujicascope M3, it is not necessary to wait until the entire reel of film has been shown in order to rewind it. At any point in the show, you may switch the Operating Control Knob (No. 10) from "motor" to "off" and then to "rewind". Stop for a second at the "off" position before going to "rewind". Once you get back to the section of film which you want to see again, switch to "off", then "motor" and then "lamp".

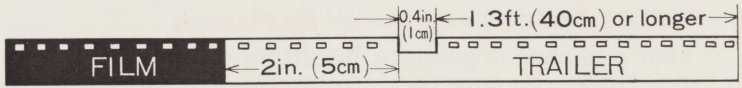


21. To Rewind the Complete Reel

When your show is completed, and all your film is now on the take-up reel, switch the Operating Control Knob to "off". The film should now be rewound back onto the original reel so that it is all set for the next time you wish to project this show. To rewind the film, bring the end out from under the take-up reel as shown above and attach it to the hub of the empty feed reel. Turn the feed reel a few times to secure the film end. Now turn the Operating Control Knob to "rewind". When the film is completely rewound onto the feed reel, turn the projector off.

FOR QUICK AND EASY REWINDING

Attach to the end of film about 1 ft. (30 cm) of additional film (such as the white leader or developed waste film) as trailer and cut out a notch as shown below



This notch makes the film stop automatically when it reaches its end, although the machine remains running. Then, turn the Operating Control Knob to "rewind", whereupon the film starts rewinding immediately.

Tips for better showmanship.

Preparation Is Important

A few minutes of planning before your audience arrives will help make your show a success. The films should be ready, the screen set up, the projector in good working order, and even things like chairs and ashtrays arranged for their maximum comfort.

Spliced Films Save Time and Effort

The best shows require the least number of reel changes. Splice as many reels together as your projector can take at one time. This saves a lot of time and fuss. Have the reels arranged in sequence so that they go on the screen in a logical order, and have them near at hand. You don't want to be fumbling around in the dark looking for a reel, and you don't want to keep turning the lights on and off.

Set Up the Screen Beforehand

Find a good spot for your screen where it is protected from stray light. A dark corner of a room is best. Make sure the screen is clean. Set up the screen so that it is parallel with the front of the projector. This will assure you of undistorted images.

Seating Arrangement Should Be Planned

Your audience is going to be sitting on those chairs for some time. Be sure they are comfortable and are seated at an angle as close to the center of the screen as possible. Of course the seating has to be arranged so that no heads are in the projection beam. Keep the power cord out of the way so that no one trips over it, and when you connect the projector to an electrical outlet, wind the cord several turns around the leg of the table on which it is placed. If anyone does trip over the cord, the projector won't be pulled from the table.

Keep a Spare Lamp On Hand

There's nothing worse than getting your films, projector and audience all set and having your projection lamp burn out. Actually, there is one thing worse, and that is not having a replacement lamp. Keep a spare lamp conveniently available. For how to replace a burned-out lamp, see Page 13.

And Now the Projector

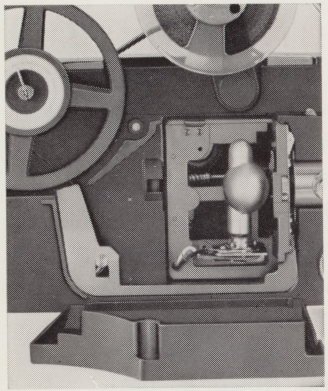
Checking your projector before the show to make sure it is in good working order. A quick dusting is usually enough to keep it clean, and some lens tissue or a lens brush is very helpful when used with care. Set your projector on a sturdy surface for the show, and spend a few minutes getting the screen to projector distance right so that the picture fills the screen evenly. This is good time to focus your first film.

Rewind Films After the Show

Films should not be rewound while your audience is waiting for the next reel. This should be done after they leave. When you finish a reel, simply transfer the empty reel to the take-up spindle, thread the projector with the new film and continue with the show.

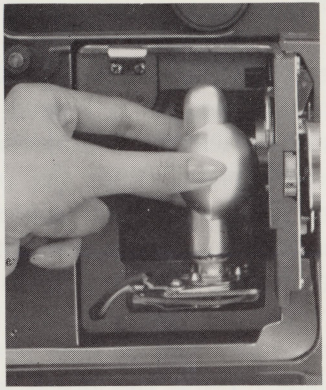
How to replace a burned-out projection lamp.

Open the Lamphouse



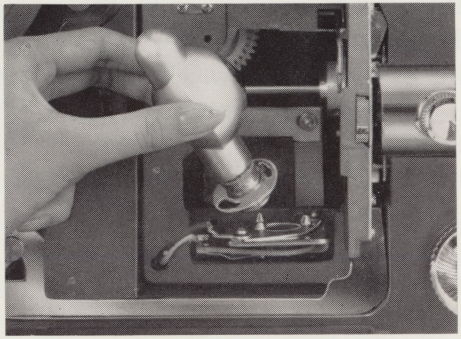
To replace a burned-out projection lamp, the first step is to disconnect the AC power cord. Then open the hinged lamphouse cover (No. 15) by pulling the top towards you.

Remove the Burned-Out Lamp



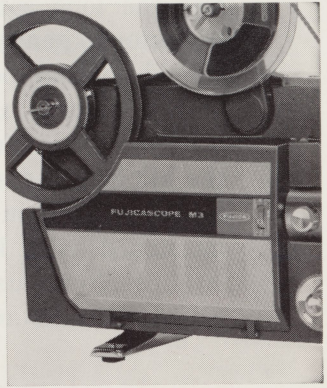
The projection lamp is held in position by three keys that engaged three slots in the base of the lamp. Be sure that the lamp is cool, and turn it counter-clockwise until it comes loose.

Replace with a New Lamp



Your Fujicascope M3 Projector is equipped with an 8 V 50 W lamp with built-in reflection mirror that gives correct illumination quality and effective brightness for color film projection. When the lamp needs replacement, purchase a new Fujica Single-8 8V 50W lamp or equivalent from your camera shop. Place the lamp base on the three keys, with the clear glass opening pointing inwards toward the front inside corner of the lamphouse. Press down slightly and rotate the lamp clockwise until it clicks into position, with the clear glass opening pointing straight forward.
Jiggle the lamp to be sure it is securely seated.

Replace the Lamphouse Cover



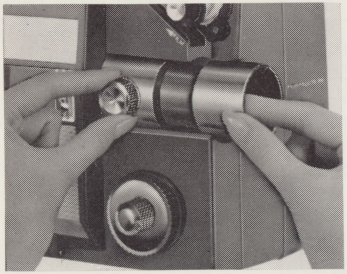
After you have replaced the projection lamp, fit the Lamp Housing Cover (No. 15) back into place.

How to care for your Fujicascope M3 Projector.

Cleaning the Lens

Use the long soft lens brush supplied with the projector to gently clean dust off of the lens. This should be done before every film show. It takes only a second, and will markedly improve the clarity of the pictures on the screen. The lens on the M3 is very deep-set, but if it does get a smudge or fingerprint on it, carefully use a lens tissue moistened with lens cleaning fluid to clean the surface. Never use a facial tissue or handkerchief, or pointed instrument of any kind.

■How to Detach and Attach the Projection Lens:



To detach, pull out the lens gently, while pulling the focusing knob towards you. To attach, face the key groove of lens straight down in the same way as detaching until the focusing konb's pin clicks into the slit around the lens barrel. If the picture is out of focus it indicates faulty insertion, therefore, re-insert the lens correctly.

Cleaning the Aperture Plate and Presure Plate

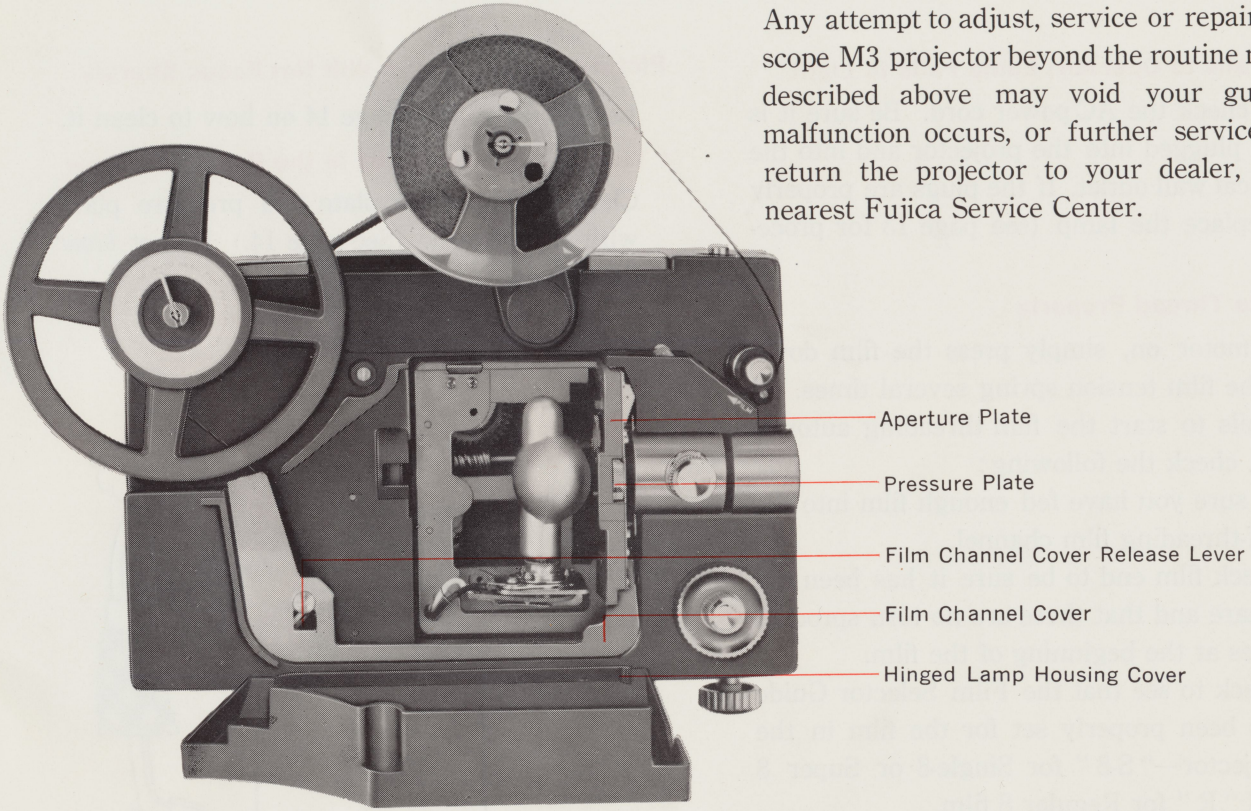
Open the lamp housing cover by swinging it down from the top. It is hinged at the bottom. Just behind the lens is the projector's aperture plate and pressure plate. With the projector disconnected from your power source, turn the control knob to "Rewind" and you will see the pressure plate move away from the aperture plate. Place the firm brush between the two and gently rotate. This will remove any film or dust particles that may accumulate. Twist the brush several times in both directions to remove dirt which has built up in the aperture corners. Be careful not to scratch the finely polished metal surfaces. Turn the control knob to "Off" and the pressure plate will move back to contact the aperture plate.

Cleaning the Film Channel

The film channel cover comes away from the projector by pulling up the handle provided for detaching. Clean the channel behind the channel cover by passing the firm brush through it several times.

No other maintenance should be attempted

Any attempt to adjust, service or repair the Fujica-scope M3 projector beyond the routine maintenance described above may void your guarantee. If malfunction occurs, or further service is needed, return the projector to your dealer, or to your nearest Fujica Service Center.



Quick operating checklist.

Projector Fails to Operate; Lamp Fails to Light

First, check the AC power cord. Be sure it is firmly plugged into the projector and into the electrical wall outlet. If the plugs are properly set, replace the lamp (see page 13 for procedure).

Film Fails to Thread Properly

With motor on, simply press the film down over the film tension spring several times. If this fails to start the film threading automatically, check the following:

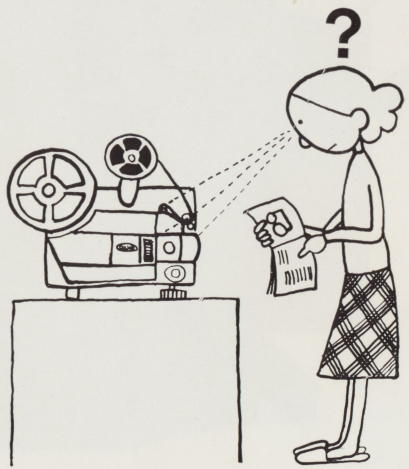
1. Be sure you have fed enough film into the self-threading film channel.
2. Check film end to be sure it has been cut square and that there are no torn sprocket holes at the beginning of the film.
3. Check to see that the Film Selector Guide has been properly set for the film in the projector—"S-8" for Single-8 or Super 8 and "R" for Regular 8 film.

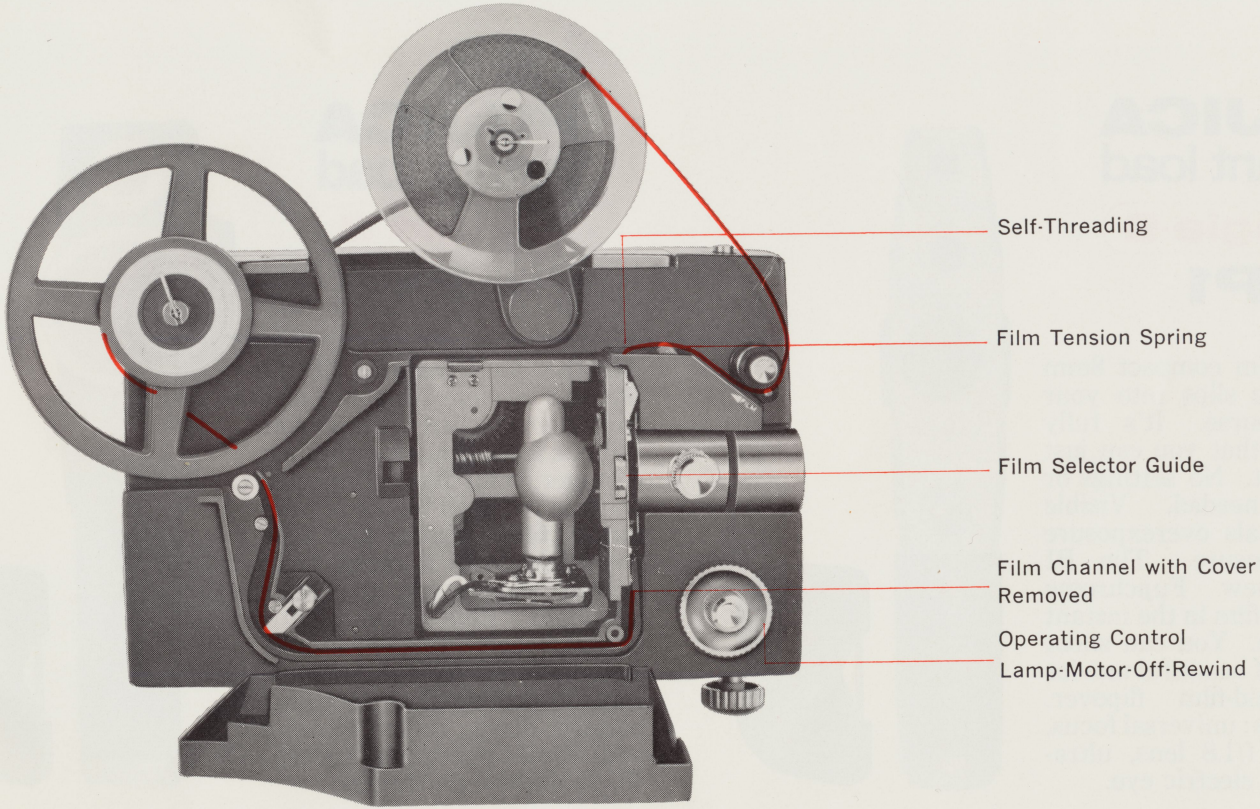
Picture is Blurred and Will Not Focus Sharply

Lens is dirty. See page 14 on how to clean it.

"Trees" and Dust Blobs in the Projected Show

Clean the aperture plate and pressure plate with firm brush. (See page 14.) Do not *blow* dust away.




Self-Threading
Film Tension Spring
Film Selector Guide
Film Channel with Cover Removed
Operating Control Lamp-Motor-Off-Rewind

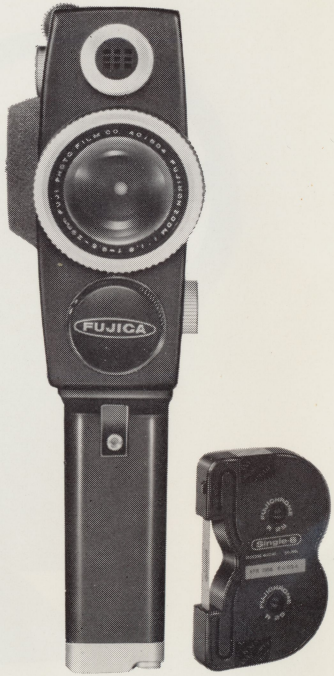
3 wonderful **FUJICA** instant load **Single-8** 8mm

FUJICA instant load Single-8 P1

This slim, trim compact 8mm movie camera slips into your pocket or purse. It's fully automatic so that you can just aim and shoot. No settings or adjustments needed. Visible warning signals overexposure or underexposure. The P1 uses the new Fujichrome Single-8 color film in the instant load cartridge. You can shoot a full 50 feet of beautiful movies with no mid-film flipover. Other features: universal focus, fine Fujinon f/1.8 lens, ultra-sensitive CdS electric eye.

FUJICA instant load Single-8 Z1

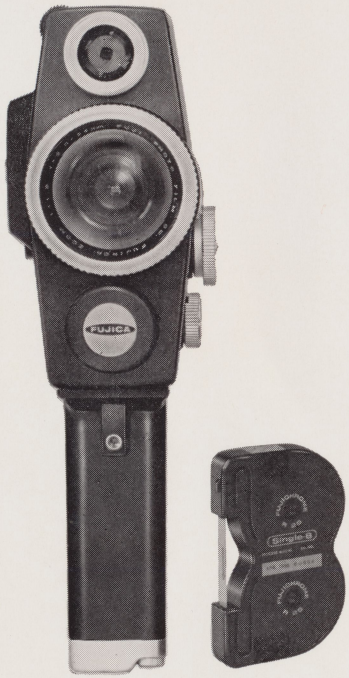
All the plus features of the Single-8 System: instant load cartridge, packed with 50 continuous feet of the new thinner, stronger, color film. Projected show is twice as big as regular movie film. Extra fast f/1.6 zoom lens with a range from 9.5mm wide angle to 29mm telephoto. Plus an automatic electric eye that can be switched off to full manual control, ground-glass focusing, battery drive, reflex viewing and three operating speeds: 18, 24 and single frame.



all give you the brightest, sharpest color movies

movie cameras to choose from...

FUJICA instant load Single-8 Z2



The next step up the ladder in the Fujica line of fine Single-8 cameras is the new Z2. Designed to give you a choice . . . simply aim and shoot or create professional effects. The Z2 offers backwind and variable shutter control for all the conveniences of professional fade-ins, fade-outs and lap dissolves. Other plus features include the Fujinon f/1.8 zoom lens with a 4 to 1 range from 8.5 to 34mm. Precision focusing with a through-the-lens, split-image rangefinder. Provision for remote control operation, 18, 24 FPS and single frame exposure.

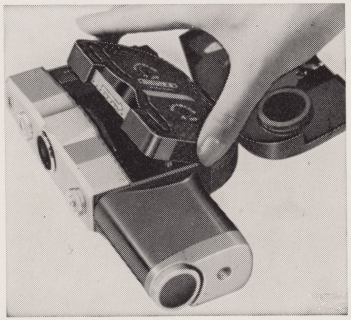
you've ever seen!

. . . all have a built-in pressure plate for professionally sharp movies and simple cartridge loading.

Every Fujica Instant Load Single-8 camera has a built-in pressure plate, the same important feature found in every professional movie camera. It keeps your film flat and in perfect alignment with the lens. The result is the sharpest movies you have ever seen.

. . . all take Fujica's Instant Load Single-8 Cartridge prepacked with the new, thinner, tougher Fujichrome color film.

The thinner base of Fujichrome film permits more light to be transmitted . . . result—a brighter, sharper show. The tougher base practically eliminates annoying breaks during projection. Just drop in the cartridge and shoot 50 continuous feet with no mid-film flipover.



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